

DRAPER

EN

Original Instructions
Version 3 – April 2025

AIR MINI SANDER

65059



**UK
CA** **CE**

1. Preface

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate, or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

All photographs and drawings within this manual are supplied by Draper Tools to help illustrate correct operation of the product.

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: Air Mini Sander

Stock No: 65059

Part No: DAT-AS50

1.2 Revisions

Version 1: July 2019
First release

Version 2: August 2022

Version 3: April 2025

As our manuals are continually updated, always ensure that the latest version is used.

Download the latest version from:
drapertools.com/manuals

1.3 Understanding the Safety Content of This Manual



WARNING! – Situations or actions that may result in personal injury or death.



CAUTION! – Situations or actions that may result in damage to the product or surroundings.

ATTENTION – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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In all cases, this copyright notice must remain intact.

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3. Product Introduction

3.1 Intended Use

This compact sander is supplied with a hook and loop style backing pad suitable for use with 50mm diameter abrasive pads and accessories. It is intended for fine sanding small scale surfaces and suitable for use with a compressed air supply.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

3.2 Specification

Stock No.:	65059
Part No.:	DAT-AS50
Backing pad diameter:	50mm
Revolutions per minute (no load):	15,000rpm
Maximum operating air pressure:	90psi (6.2bar)
Average air consumption:	85L/Min (3cfm)
Minimum air line size (Internal diameter):	3/8" (10mm)
Air inlet connector:	1/4" BSP
Noise emissions:	
Sound pressure level:	90dB (A)
Sound power level:	95dB (A)
Vibration level:	4.5m/s ²
Net weight:	620g

Important: The declared vibration total values and noise emissions values have been measured in accordance with a standard test method and may be used for comparing one tool with another. These values may also be used in a preliminary assessment of exposure.

 **WARNING!** The vibration and noise emissions during actual use of the product can differ from the declared values depending on the type of work and the area upon which it is used. Before each use, estimate the likely exposure resulting from the actual conditions of use. Take into account all parts of the operation cycle in order to identify any safety measures required to protect the operator.

Important: Read and understand the safety instructions before installing, operating, repairing, maintaining, replacing accessories, or working near the sander. Failure to do so can result in serious bodily injury.

4.1 Health and Safety Instructions for this Air Sander

General Safety Instructions

- Only trained and authorised personnel may install, adjust or operate the sander.
- **DO NOT** modify this sander.
 - Modifications can reduce the effectiveness of safety measures and increase the risk of injury.
- Retain these instructions for the life of the product and pass them on with the tool to any future operators.
- **DO NOT** use this sander if it shows any evidence of damage or disrepair.
- Regularly inspect the sander to ensure that all safety markings remain legible.
 - Contact Draper Tools if the safety markings need to be replaced and **DO NOT** use the tool.

Projectile Hazards

- Be aware that failure of the workpiece, accessories or tool itself may generate high-velocity projectiles.
- **ALWAYS** wear impact-resistant eye protection during operation of the sander and assess the grade of protection required with each use.
- When working overhead, **ALWAYS** wear a safety helmet.
- Carefully assess the risk to others before every operation and ensure that all bystanders are clear of the work area or equipped with suitable protective equipment.
 - Keep this product out of reach of children at all times.
- **ALWAYS** ensure that the workpiece is securely fixed.

Entanglement Hazards

- Keep loose clothing, gloves, hair and jewellery well away from the sander at all times.
 - Entanglement in the spinning pad can cause significant injury.

Operating Hazards

- **ALWAYS** wear protective safety glasses while using this tool.
 - It is also recommended to wear protective gloves and other protective clothing appropriate to the specific conditions of the operation.
- Wear suitable protective gloves to guard against injury from cuts, abrasion and heat.
- If the workpiece becomes hot during operation, stop the tool and allow the material to cool before continuing.
- Hold the tool correctly and firmly and brace yourself against sudden movements, keeping both hands available.
- Maintain good balance and secure footing at all times while operating the tool.
- Release the trigger immediately if the air supply is interrupted.
- **ONLY** use lubricants recommended by Draper Tools.
- Inspect the backing pad for signs of damage before **EVERY** use.
- **DO NOT** use the sander if the backing pad is broken or cracked or the tool has been dropped.
- **NEVER** touch the backing pad or abrasive pad while the tool is in operation.
 - **ALWAYS** allow the tool to come to a complete stop and disconnect the air supply before handling or adjusting the sanding pad or backing pad.
- **NEVER** use the tool without a suitable abrasive pad attached.
- Use on plastic or other non-conductive materials increases the risk of electrostatic discharge.
- Dust and fumes caused by sanding operations may create potentially explosive environments.
 - **ALWAYS** ensure that dust extraction or suppression systems are used with this tool and are suitable for use with the workpiece materials.

Repetitive Motion Hazards

- When operating a sander frequently or for extended periods, the operator may experience discomfort in the hands, arms, shoulders, neck and other parts of the body.

4. Health and Safety Information

- While using the sander, adopt a comfortable posture while maintaining secure footing and avoiding awkward or off-balance positions.
 - Change posture and operating positions regularly during extended use to help avoid discomfort and fatigue.
- **DO NOT** ignore symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness or burning sensations.
 - If these symptoms occur, stop using the tool and consult a qualified health professional.

Accessory Hazards

- **ALWAYS** disconnect the sander from the air supply before fitting or changing accessories.
- Avoid direct contact with the abrasive pad and backing pad during and immediately after operation as it may become hot during use.
- **ONLY** use accessory types and sizes recommended by Draper Tools.
- **ALWAYS** ensure that the maximum operating speed of the backing pad is higher than the rated speed of the sander.
- **NEVER** use grinding wheels or cutting off tools.

Workplace Hazards

- Stay alert for surfaces that may become slippery as a result of use of this tool and for trip hazards caused by the air line.
- This sander is not suitable for use in potentially explosive atmospheres and is not insulated against contact with electric power.
- Ensure that there are no electrical cables, gas pipes, etc. present in the workpiece that may cause a hazard if damaged by the tool.

Dust and Fume Hazards

- Dust and fumes generated by sanding operations can cause ill health (e.g. cancer, birth defects, asthma and/or dermatitis).
 - Perform a risk assessment and implement any appropriate controls for identified hazards before performing any operation.
 - Any risk assessment performed must include dust created by use of the tool and disturbance of any existing dust.

- Operate and maintain the sander appropriately to minimise the dust or fume emissions.
- Direct the exhaust so as to minimise disturbance of existing dust in dusty environments.
- Where dust or fumes are created, priority must be given to controlling them at the point of emission.
- All integral features and accessories for the collection, extraction or suppression of airborne dust or fumes must be correctly used and maintained in accordance with the manufacturer's instructions.
- Select, maintain and replace the backing pad and abrasive pad as recommended in the manual to prevent any unnecessary increase in the emission of dust or fumes.

Noise Hazards

- Exposure to high noise levels can cause permanent hearing loss and other problems.
 - Perform a risk assessment and implement any appropriate controls for identified hazards before performing any operation.
- Implement appropriate controls, such as dampening materials, to prevent the workpiece from "ringing" during operation.
- Use appropriate hearing protection in accordance with local occupational health and safety regulations.
- Operate and maintain the sander appropriately to prevent unnecessary increase in noise emissions.

Vibration Hazards

- Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.
- Wear warm clothing when working in cold conditions and keep your hands warm and dry.
- If you experience numbness, tingling, pain or whitening of the skin in your fingers or hands, stop using the sander and consult a qualified health professional.
- Operate and maintain the sander appropriately to prevent unnecessary increase in vibration emissions.
- The risks from vibration hazards are increased when grip force on the tool is higher. – Hold the sander with a light but safe grip, keeping in mind that your grip may need to be altered to react to unexpected forces.

4.2 Additional Safety Instructions for Compressed Air

 **WARNING! Compressed air can cause severe injury.**

- **ALWAYS** turn off and disconnect the air supply before making any adjustments to the product or leaving it unattended.
- **NEVER** direct this product towards yourself or others.
- Ensure that compressed air is not blocked by or in contact with any part of your body.
- **ONLY** use clean, dry and regulated compressed air.

 **WARNING! NEVER use oxygen, combustible gases or other bottled gases as a supply for this product. Use of these substances may cause the product to explode.**

- Draper Tools recommends the use of a whip hose between the tool and the air supply to reduce vibration.

 **WARNING! Whipping hoses can cause severe injury. Always check for and replace damaged or loose hoses and fittings.**

- Ensure that the product is compatible with the air supply before use.
- Ensure all connections are securely tightened.
- Where universal twist couplings (claw couplings) are used, lock pins must be installed and whip check safety cables must be used to safeguard against possible hose-to-tool or hose-to-hose failure
- **DO NOT** exceed the maximum stated air pressure.
- **DO NOT** obstruct the ability of the trigger to release once depressed.
- **NEVER** carry the tool by the air line.

4.3 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5. Identification and Unpacking

5.1 Product Overview



- | | | |
|--|--|---|
| 1 Spindle locking aperture | 4 360° Exhaust outlet | 7 Airline coupling screw adaptor |
| 2 Speed control | 5 Trigger | 8 Spindle locking pin |
| 3 1/4" BSP (female) air inlet connector | 6 50mm Backing pad (not fitted) | |

5.2 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit drapertools.com for our full range of accessories and consumables.

6. Preparation Instructions

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Important: Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual.

6.1 Preparing the Air Supply for Use (Fig.1)

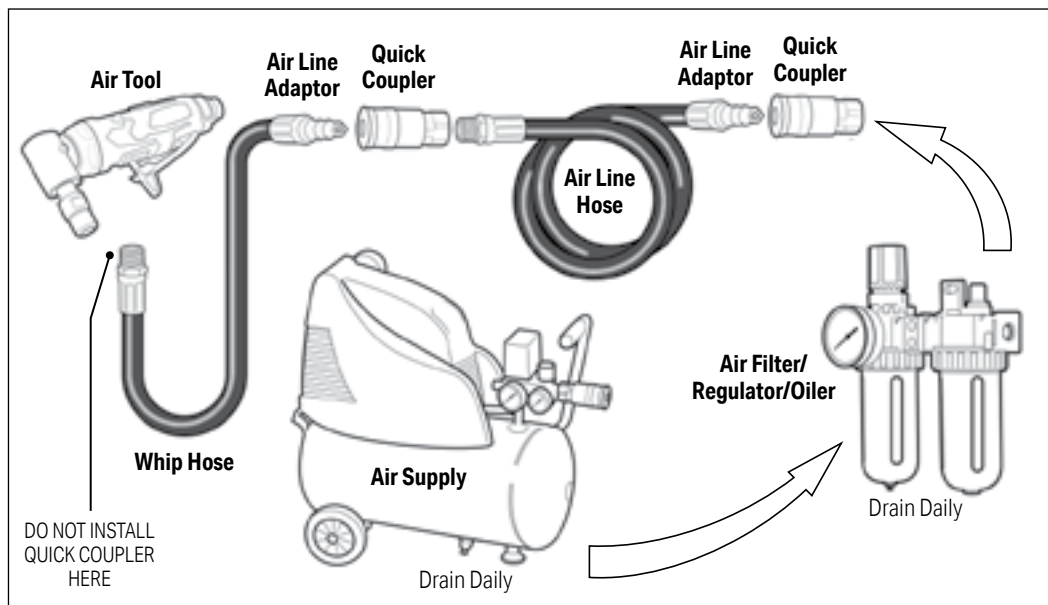


Fig. 1

- This air tool operates at a max. pressure of 6.2bar (90psi).
 - ISO grade 22–32 (SAE grade 5W–15W) monograde oil should be used in this air tool.
 - During use, the oil must be constantly supplied to the equipment to ensure complete lubrication and optimum performance.
 - The compressed air system must be controlled by a combination pressure regulator, in-line lubricator and moisture filter. This will ensure a constant supply of dry air at all times, provided it is properly maintained.
- Important:** Always check the machine operating pressure before use.
- Water in the compressor tank may cause considerable corrosion to air tools; the compressor should be drained daily to avoid excessive water in the air supply. Dirty or wet air can significantly shorten the lifespan of the product.
 - When using an air tool with a hose over 25ft long, Draper Tools recommends increasing the bore of the hose to the next largest available size (i.e. increase 3/8" to 1/2"). This will ensure adequate pressure and volume of air to power the tool.

6. Preparation Instructions

6.2 Connection to the Air Supply (Figs.2 – 3)

Important: Always disconnect from the air supply before assembling, carrying out adjustments, servicing or maintenance.

To connect the air sander to an air line, a 1/4" BSP male thread whip hose [A] will be required.

- Wind a length of PTFE tape [B] around the thread of the whip hose.

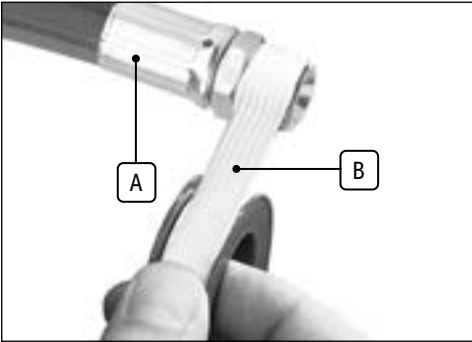


Fig. 2

- Remove the bung from the air inlet [3] and attach the hose via the 1/4" air inlet [3]. The connection must be tight for an airtight union.

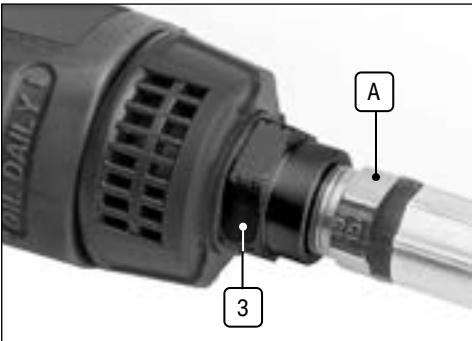


Fig. 3

6.3 Attaching/Removing the Backing Pad (Fig.4)

Important: ALWAYS ensure that the air line is disconnected before installing, adjusting or removing the backing or abrasive pad.

- Lock the spindle with the locking pin [8].
 - The pin locates through the spindle locking aperture [1] into the inner spindle.
 - To align the spindle slot, use the backing pad to turn the spindle until the slot is visible and the pin can be inserted.
- Hold the locking pin in place and fit the backing pad.
- Lock the backing pad securely in place by turning clockwise.
- To remove the backing pad, lock the spindle with the locking pin and turn the pad anti-clockwise.

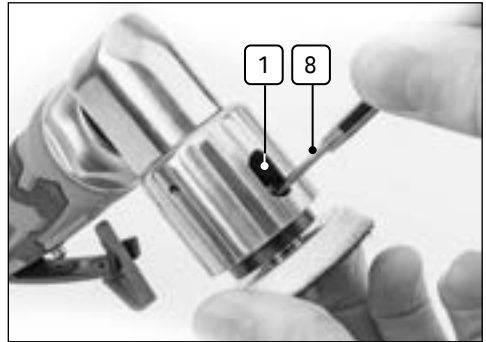


Fig. 4

6.4 Attaching Abrasive/Sanding Pads (Fig.5)

- Fit the abrasive pad to the backing pad by aligning the edges of the pad with the backing pad. Then press firmly together.
- Abrasive pads should be replaced when they become damaged, excessively worn or clogged with material.
- To remove the abrasive pad, just lift off from the backing pad.



Fig. 5

Important: Before operating this tool, read and understand all the safety instructions listed in this manual.

WARNING! Contact or inhalation of harmful toxic dusts from sanding lead paint surfaces, wood etc. can endanger the health of the operator and bystanders. **ALWAYS** wear a suitable dust mask.

Note:

- Before connecting the sander to the air line supply reduce the line pressure according to the specification.
- Before tool operation and work commences ensure the compressor reservoir is drained of condensate along with all connected air lines. Check and drain the air line regulator's water trap and fill up the lubrication reservoir.

7.1 Trigger (Fig.6)

- To prevent unintentional operation the trigger requires two separate action to operate.
1. Push the safety latch (5.1) forward to release and then squeeze the trigger (5) to operate the sander.
 2. Release the trigger to stop the sander.



Fig. 6

7.2 Variable Speed Control (Fig.7)

- The speed can be adjusted by turning the speed control (2) clockwise (+) to increase the speed and anti-clockwise (-) to reduce.



Fig. 7

7.3 General Sanding Information

- Select the correct grit to achieve the desired finish. The higher the grit number the finer the finish.
- When removing paint from a surface the grit will clog more readily.
- **Note:** The abrasive and backing pad are consumable items.
- Place the tool against the workpiece and press the trigger (5) down to start the sander. Apply equal pressure on the workpiece with the backing pad remaining flat.

Important:

- Start the operation with the tool against the workpiece to prevent gouging upon first contact.
- Excessive pressure when sanding will reduce the effectiveness of the tool.
- Attempting to sand areas using only the edge of the pad will damage the backing pad.

8. Maintenance and Troubleshooting

 **WARNING! ALWAYS ensure that the tool is disconnected from the air supply and that the air supply is switched off before attempting to adjust or maintain this product.**

8.1 General Maintenance

- Disconnect the air line and remove the air line coupling or whip hose when storing the product.
- Wipe the sander clean and remove any obstructions from the rear exhaust  before storage.

- **Important:** Lubricate the mechanism by pouring a few drops of air tool oil into the air line coupling.
- ISO grade 22–32 (SAE grade 5W–15W) monograde oil should be used in this air tool. During use, the oil must be constantly supplied to the equipment to ensure complete lubrication and optimum performance
- When not in use store in a dry clean place out of the reach of children.

8.2 Troubleshooting

Problem	Possible cause	Remedy
Tool not operating.	Air pressure is too low.	• Check that air line is connected securely and not damaged.
	Motor seized with dirt.	• Check for dirt in air inlet. • Pour a little air tool oil into the air line inlet and squeeze the trigger several times. • If tool fails to operate, contact Draper Tools for advice.
Tool operates slowly.	Air line is obstructed.	• Switch off and detach the air line. Clean and remove any obstructions.
	Air pressure is too low.	• Check pressure is set correctly and check for loose connections.
	Rotor vane seized.	• Pour lubricating oil into air inlet and operate trigger several times.
Spindle seized.	Motor vane is broken.	• Contact Draper Tools for advice.
Tool will not shut off.	'O' ring at the throttle valve is broken or dislodged.	• Replace the 'O' ring - Contact Draper Tools for advice.

9. Spares, Returns and Disposal

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For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

10. Warranty

6 months from date of purchase – Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for more information. However, if the tools are hired out, the warranty period is 90 days from the date of purchase.

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11. Explanation of Symbols



Read the instruction manual .



Wear ear defenders and safety glasses



Wear protective gloves



Long and loose hair must be contained
or securely tied back



Warning!



Warning! Risk of crushing



Keep out of the reach of children



Direction of rotation



European conformity.



UK Conformity Assessed.

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